

Department of the Air Force  
Ogden Air Logistics Center  
Atmospheric Early Warning System (OO-ALC/LHE)

**STATEMENT OF WORK**  
**For**  
**END-to-END TEST**  
**AEWS 2002-3**

DATE: 3 July 2002

**1.0 INTRODUCTION**

**1.1 Organization.**

**1.1.1 Identification** Atmospheric Early Warning Systems (OO-ALC/LHE), Ogden Air Logistics Center, Department of the Air Force, Hill AFB, UT.

**1.1.2 Mission.** AEWS (OO-ALC/LHE) is responsible for systems engineering and sustainment of the Joint Surveillance Systems (JSS) and North Warning System (NWS) radars and associated command, control, and communications systems. Primary systems engineering and sustainment support functions under the preview of AEWS includes investigation and analysis of software and hardware deficiencies, correction of deficiencies, testing of software and hardware modifications, system interface tests, and engineering studies.

**1.2 Background and Objective.**

**1.2.1 Background** AEWS is responsible for four primary systems: AN/FPS-117 (V) Long Range Radar, AN/GSQ-235 Command Information Link, AN/FYQ-93 Processor, and AN/FPS-124 Short Range Radar (SRR). Each of these systems is comprised of automated data processing, communications, and data collection equipment. AEWS relies on contractor support for specialty engineering expertise, and for quick access to engineering resources that are not available within the organization. This task includes sustaining engineering support to resolve operational and supportability problems, and to accommodate changes and equipment upgrades being performed by other contractors, under the direction of Air Force organizations.

**1.2.2 Objective** The objective of this task is to develop and provide End-to-End test and deliverable Technical Requirement Document (TRD) packages for Mission Software and Automatic Test Environment programs that are being developed.

### **1.3 ADP (Automated Data Processing) Environment.**

**1.3.1 Hardware.** The primary AEWS-supported systems noted in paragraph 1.2.1 above include a wide range of equipment for automated data processing, communications, and data collection—from the radars themselves to data processors, to the data links that transmit processed radar, command, and control data to various users.

The AN/FPS-124 hardware consists of three functional groups:

- a. Radar Equipment Group (REG). The REG is located at the radar site and provides for radar surveillance at the radar site. REG equipment generates and radiates RF pulses in an electronically rotated beam, and then collects and processes the RF return signals into target information.
- b. Local Controller Group (LCG). The LCG is collocated with the REG at the radar site. The LCG is the interface (via the North Warning System, or NWS, communication network) between the REG, Remote Controller Group (RCG), and the Operations Control Center facility. The LCG transfers surveillance data to the NWS Operations Facility and performance data to the RCG. The LCG equipment allows the REG to be monitored and controlled remotely by the RCG or locally by visiting maintenance personnel.
- c. Remote Controller Group (RCG). The RCG is located at the Maintenance Control Facility (MCF). RCG equipment allows RCG personnel to monitor and control the radar sites. RCG personnel can send commands via the LCG to control operational parameters and reconfiguration of the REG.

**1.3.2 Software.** The AEWS-supported systems noted in paragraph 1.2.1 above also include a wide range of software that may require support. The AEWS system software consists primarily of the following categories:

- a. Mission Software used to control SRR functions.
- b. Database software for processing maintenance data.

## 2.0 TECHNICAL REQUIREMENTS

**2.1 Task Description.** Services will be requested and controlled by means of specific objectives, deliverables, and constraints. Services to be performed will be within the scope of work as follows:

**2.1.1 Scope of Work** This task encompasses development software in support of the AN/FPS-124 Short Range Radar baselines—including automated data processing, communications, and radar data collection hardware and software. Specific services covered by this task include: develop End-to-End software, Engineering Analysis and Reports; Hardware/Software Design and Specification; Prototype Development, Installation and Test; Troubleshooting, Test, and Analysis; Other Engineering Analyses and Studies; Software Investigations and Corrections; and Technical Presentations.

### 2.1.2 Tasking

The contractor shall develop an End-to-End Test to test the entire radar. This test shall be executed from the RCG without requiring any additional personnel or equipment being deployed to the site. The design would require three distinct phases with deliverables at each phase.

The First phase shall be a concept level design to establish system functionality and performance goal, and shall be defined a concept level design of all the components in the systems.

The Second phase would be the preliminary design stage that would consist of the design, selecting and testing of system components as well as the connectivity to the antenna through free space.

The final phase would be the construction and integration testing of the prototype test set. Product Reviews are required during and at the end of each phase to validate the design.

The -End-to-End Test being proposed would be an extension of the existing software that presently does performance monitoring. While the existing unit only monitors the health status of the radar and reports faulty units in the system, the unit being proposed would attempt to perform calibration level checks of the antenna and other radar systems.

The majority of the effort in this project would be the development of the required software across both the RCG platform and the actual radar.

An End-to-End Test would be a value added piece of test equipment that would greatly enhance the AEWS's capability to baseline the AN/FPS-124 radar and will eliminate the existing Target Simulator requirements. Due to the fact that equipment and people would not need to be deployed to the site to perform the test, the period of testing could easily be increased. This would allow trend analysis at the system specification level.

This End-to-End Test would add to the value of the Digital Rack Replacement by using the technology developed by that work. This project will be migrating software and hardware from a 68000 VME environment to an ASIC/FPGA design. The End-to-End Test would be an extended use of this capability for future modifications of AN/FPS 124, such as

processing upgrades. The sequential nature of this type of research adds value: each time new projects are built onto the existing base lines already completed.

### **Configuration & Documentation**

The following deliverables will be included as part of this offering:

- Funds and Man-Hour expenditure report. (DI-FNCL-80331/T)
- Engineering Support Data (ESD). (DI-ATTS-80285B/T)  
Final Reports on Concept Designs
- Software Version Description (SVD) (DI-IPSC-81442A)
- Installation Test Procedures (DI-QCIC-80511)
- Commercial Drawing and associated List (DI-SESS-81003B/T)
- The executable Software shall have Computer Program Identification Number assigned with the Revision updated. (DI-MISC-81454A)
- Copies of revised software in preferred format (diskette, transport tape).
- Secured storage of software and documentation for duration of contract.
- Status Report (DI-MGMT-80368)
- Technical Report-Study/Services (DI-MISC-80508)

In addition, the final reports will include a narrative summary of all findings, actions, events, and recommendations related to the work covered under this proposal. Separate Reports will be issued for each of the four main areas identified in the tasking.

**2.1.2.2 Technical Presentations.** If required, the contractor shall conduct and support technical presentations relating directly to these engineering tasks at Technical Interchange Meetings, Working Groups, and IPT Meetings. The contractor shall prepare and deliver agenda and minutes for meetings conducted principally by the contractor. Contractor format is acceptable.

**2.1.2.3 Final Report.** At the completion of this entire contractual effort, the contractor shall produce a Final Report summarizing all technical efforts performed on the task, including: specific problems addressed; solutions implemented; and important findings of studies and analyses. Contractor format is acceptable.

**2.1.2.4 Open Market Items (OMI).** The Government anticipates the contractor will need to procure limited hardware and software to develop, implement, and test prototype solutions. The contractor shall not procure general-purpose equipment,

material, or software whose primary usage would be outside the direct technical efforts required to meet task objectives (e.g., no general purpose office computers, word processing software, etc.) The contractor shall request approval for OMI purchases from the Government Contracts Representative prior to placing orders. The contractor shall report current OMI purchases and the cumulative value of OMI purchases to the Government Program Manager.

**2.2 Deliverables.** All deliverables must meet the requirements set forth in contractual documentation. The contractor will be responsible for delivering all end items specified. The following items are deliverables, which fall within the scope of this task, and which are illustrative of the type of work the Government expects to order.

Support Area	Title	Delivery Date	Format
Technical	Monthly Status Reports	Monthly by the 10 <sup>th</sup>	Contractor Format Acceptable
Technical	Test/Inspection Report	Finals	Contractor Format Acceptable
Technical	Final Report		Contractor Format Acceptable
Technical	Engineer Support Documents		Contractor Format Acceptable

**2.2.1 Criteria for Acceptance.** Acceptance criteria for deliverable reports shall conform to the specific requirements listed in section 2.1.2 above for each type of report. Acceptance criteria for prototype, modified, or installed equipment and deliverable software shall be the successful completion of analyses, demonstrations, tests, and inspections described in contractor-developed, Government-approved Test Plans/Procedures.

**2.2.2 Schedule.** All reports shall be delivered in accordance with the schedule provided in section 2.2 above. Final versions of all technical deliverable reports are due at the end of the period of performance.

**2.2.3 Delivery Instructions.** Deliverable progress monthly reports shall be submitted electronically in Microsoft Office 97-compatible format to:

tan.ly@hill.af.mil

Final reports and Hard copy reports that cannot be electronically transmitted (e.g., reports incorporating material that is not available electronically in Microsoft Office 97-compatible format) shall be delivered to:

OO-ALC/LHE  
Attn: Auggie Prosper (801-586-2202)  
6029 Wardleigh Rd. (Bldg 1207)  
Hill AFB, UT 84056-5838

### **3.0 GOVERNMENT FURNISHED RESOURCES**

**3.1 General.** The contractor must specifically identify during the accomplishment of the task, the type, amount, and time frames for any government resources required.

**3.2 Information.** The following information will be provided by the user if required:

**3.2.1** Manuals, texts, briefs and other materials associated with the hardware/software noted in paragraph 1.3 of this SOW.

**3.2.2** Initial familiarization/orientation will be provided by the User Agency. Standard Operational Procedures will be available to the contractor at the place of performance.

### **4.0 ADMINISTRATIVE CONSIDERATIONS**

#### **4.1 Points of Contact.**

##### **4.1.1 AN/FPS-124 System Engineer**

Mr. Tan Ly  
OO-ALC/LHE  
6029 Wardleigh Rd. (Bldg 1207)  
Hill AFB, UT 84056-5838  
(P) 801-586-2215 & (F) 801-775-5205  
tan.ly@hill.af.mil

##### **4.1.2 Government Security Officer**

Linda McBrien  
OO-ALC/LHE  
6029 Wardleigh Rd. (Bldg 1207)  
Hill AFB, UT 84056-5838  
(P) 801-586-2214 & (F) 801-775-5205  
linda.mcbrien@hill.af.mil

##### **4.1.3 Contractor Contracts Representative**

Mr. Colin Hine  
NASITTUQ CORP  
100-170 Laurier Avenue West  
Ottawa, Ontario  
K1P 5V5 Canada  
(P) 61-234-9033 (F) 613-234-2671  
colin.hine@nasittuq.com

##### **4.1.4 Contractor Technical Representative**

Mr. Eric Young  
NASIUUTQ CORP  
22 Wing North Bay  
Bldg 109  
Hornell Heights, Ontario  
Canada, POH 1PO  
705-494-2011 ext 2962  
eyoung@onlink.net

**4.2 Duration of Task.** Duration of this task is one (1) year for the first two phases from date of contract award. This project may be incrementally funded, which could result in extensions to the period of performance of this contract. Any unused hours may be carried over until exhausted at the Government's prerogative.

#### **4.3 Travel**

Contractor travel will be in accordance with the Federal Travel Regulation or Joint Travel Regulation, as applicable, and must be pre-approved by the client. Established Federal Government per diem rates will apply to contractor travel.

#### **4.4 Privacy and Security**

**4.4.1 Clearances.** Work on this project may involve effort of a classified nature, i.e. confidential or secret. Site clearances may be required when conducting work at contractor or government facilities or certain sites within Canada, Alaska, or Hawaii.

**4.4.2 Privacy Act.** Work on this project requires that personnel have access to Privacy Information. Personnel shall adhere to the Privacy Act, Title 5 of the U.S. Code, Section 552a and applicable agency rules and regulations.

**4.5 Personal Service.** The customer has determined that use of this contract to satisfy the requirement is in the best interest of the government, economic and other factors considered, and this task order is not being used to procure personal services prohibited by the Federal Acquisition Regulation (FAR) Part 37.104 titled "Personal services contract".

### **5.0 SPECIAL INSTRUCTIONS**

**5.1 General.** All documents and deliverables described in this SOW and amendments or modifications, shall be submitted on the contractor's letterhead.

**5.2 Reporting Requirements.** The contractor shall provide the following:

**5.2.1** The contractor shall inform the customer in writing, of the actual task starting date, on or before the starting date.

- 5.2.2** The contractor shall bring problems or potential problems affecting performance to the attention of the government program manager as soon as possible. Verbal reports will be followed up with written reports when directed by the program manager.
- 5.2.3** The contractor will provide in writing the results of all meetings with the customer that affect and/or change conditions, or result in additional agreements or requirements.
- 5.2.4 Additional** written reports may be required and negotiated.
- 5.3 Delivery Instructions.** All deliverables shall be delivered to the customer no later than the date specified in the SOW. Deliverables are to be transmitted with a cover letter, on the contractor's letterhead, describing the contents.
- 5.4 Inspection and Acceptance.** In the absence of other agreements negotiated with respect to time provided for government review, deliverables will be inspected and the contractor notified of the customer's findings within 5 workdays of normally scheduled review. Representatives of the government and the contractor will, on a monthly basis after receipt of the progress report, review performance: to inspect work for compliance with the SOW, the associated contractor proposal, and to accept or reject deliverables completed since the previous review. Quarterly reviews will normally be held at the place of task performance. In the event that the Contractor is excused from attending the final review, formal acceptance or rejection of deliverables will be accomplished by mail.
- 5.5 Procedures for Payment.** Billing and payment shall be accomplished in accordance with the contract. The contractor shall have the invoice certified by the customer representative. The contractor's invoice will be for one month. The contractor may invoice only for the hours, travel, and/or unique services ordered by the government and actually used in direct support of the customer representative's project. A copy of the government's document(s) accepting the covered services must accompany invoices submitted for payment. A copy of the invoice will be submitted to the government Program Manager at the same time that it is submitted for payment.



# CONTRACT DATA RE JIREMENTS LIST

(1 Data Item)

m Approved  
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO. B. EXHIBIT C. CATEGORY:  
TDP \_\_\_\_\_ TM \_\_\_\_\_ OTHER ☒

D. SYSTEM/ITEM E. CONTRACT/PR NO. F. CONTRACTOR  
AEWS 2002-3 FD2020-02-67324 NASITTUQ

1. DATA ITEM NO. 2. TITLE OF DATA ITEM 3. SUBTITLE  
A001 ENGINEERING SUPPORT DATA (ESD)

4. AUTHORITY (Data Acquisition Document No.) 5. CONTRACT REFERENCE 6. REQUIRING OFFICE  
DI-ATTS-80285B/T SOW Para 2.1.2 OO-ALC/LHE

7. DD 250 REQ 9. DIST STATEMENT 10. FREQUENCY 12. DATE OF FIRST SUBMISSION 14. DISTRIBUTION  
LT REQUIRED 1TIME SEE BLK 16

8. APP CODE 11. AS OF DATE 13. DATE OF SUBSEQUENT SUBMISSION  
A D N/A SEE BLK 16

16. REMARKS SEE BLK 16

This CDRL is applicable for the life of the contract to include ESD delivery at the end of each phase/task.

BLOCK 4:

Delete paragraph 10.4.6. Contractor format acceptable.

BLOCK 9:

DISTRIBUTION STATEMENT D: Distribution authorized to DoD and US DoD contractors only for the Atmospheric Early Warning System (Aug 2002). Other request for this document shall be referred to LHE.

DESTRUCTION NOTICE: For classified documents, follow the procedures in DoD 5220.22-M, Industrial Security Manual, Section 11-19, or DoD 5200.1-R, Information Security Program Regulation, Chapter IX. For unclassified, limited documents, destroy by any method that will prevent disclosure of contents or reconstruction of the document.

BLOCKS 11, 12 & 13:

Contractor shall deliver ESD NLT 30 days after final delivery. Government will be allowed 30 days after receipt of data item to review/approve/disapprove. Contractor shall deliver resubmittal to incorporate Government comments, if required, NTL 30 days after receipt of Government comments.

BLOCKS 14a & b:

Ship 1 copy ea to:

OO-ALC/LHE (Tan Ly)  
6029 Wardleigh Rd, BLDG 1207  
Hill AFB UT 84056-5838  
tan.ly@hill.af.mil

OO-ALC/LH (Auggie Prosper)  
6029 Wardleigh Rd, BLDG 1207  
Hill AFB UT 84056-5838  
augustin.prosper@hill.af.mil

Letter of Transmittal Only  
OO-ALC/LHKC (Jill Larsen)  
6029 Wardleigh Rd, BLDG 1207  
Hill AFB UT 84056-5838  
jill.larsen@hill.af.mil

15. TOTAL

G. PREPARED BY H. DATE I. APPROVED BY J. DATE  
Pamela A. Lopez 7 Aug 02 Linda McBrien 8 Aug 02

17. PRICE GROUP

18. ESTIMATED  
TOTAL PRICE

Acc2  
Sample  
Page 1 of 3

Row	Forl	Document #	Cage	Doc Type	Doc Size	Doc Rev	Doc Titl	Sheet #	# of Sheets	Sheet Rev	Frame #	# of Frames	File Type	File Type	Formal	File Type
IMAGE		12345-1	06887		A			0003	0003		0001	0001	1	RSTR		C4
IMAGE		12345-1	06887		A			0002	0003	A	0001	0001	1	RSTR		C4
IMAGE		12345-1	06887		A			0001	0003	C	0001	0001	1	RSTR		C4
IMAGE		7040322	06887		E			0001	0001	A	0001	0001	1	RSTR		C4
IMAGE		7040337	06887		E			0001	0001	B	0001	0001	1	RSTR		C4
IMAGE		ABCD	06887	PL	A			0001	0001	D	0001	0001	1	RSTR		C4
IMAGE		56789	45632	WL	A			0001	0001	G	0001	0001	1	RSTR		C4

SAMS

MetaData to Audit (AL)

Type	Src	Fla	File	Type	Dest	File	Type	Cont	File	Type	Vers	Site	Code	File	Name	File	Ext	File	Path	Security	Level	Rights	For
			C4									5M640		12345sh3		C4	00			N		U	N
			C4									5M640		12345_2		C4	00			N		U	N
			C4									5M640		12345-1		C4	00			N		U	N
			C4									5M640		7040322		C4	00			N		U	N
			C4									5M640		7040337		C4	00			N		U	N
			C4									5M640		abcd		C4	00			N		U	N
			C4									5M640		56789_RE		C4	00			N		U	N

A002  
Sample  
page 2 of 3

Foreign Security	Nuclear	Subsafe	Control Code	Dist Stmt	Acc Doc Kind	Acc Doc #	Acc Doc Rev	Weapon Sys C	FTP#
N	N	N	ME	F					
N	N	N	ME	F					
N	N	N	ME	F					
N	N	N	ME	C					
N	N	N	ME	C					
N	N	N	ME	F					
N	N	N	ME	D					

A002  
 Sample  
 page 3 of 3

(1 Data Item)

OMB No. 0704-0188

The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0701-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

G. PREPARED BY <i>Sam L. Lee</i>	H. DATE 1 Aug 2002	I. APPROVED BY <i>Grady McBrien</i>	J. DATE 8 Aug 02
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18. ESTIMATED  
TOTAL PRICE

**CONTRACT DATA REQUIREMENTS LIST***(1 Data Item)***A. CONTRACT LINE ITEM NO.****B. EXHIBIT****C. CATEGORY:**TDP ☒ TM ☐ OTHER ☐**D. SYSTEM/ITEM**

AEWS 2002-3

**E. CONTRACT/PR NO.**

PR2020-02-67324

**F. CONTRACTOR**

NASITTUQ

**16. REMARKS** *(Continued)*

Final Delivery:

d). Contractor shall submit Commercial Drawings and Associated Lists to BLK 14 addressees NLT sixty (60) working days after Government approval of product configuration baseline. The Government requires thirty (30) working days for inspection and acceptance of final delivery. Final delivery shall be in AutoCad CD ROM.

**TDP OPTION SELECTION WORKSHEET  
COMMERCIAL DRAWINGS AND ASSOCIATED LISTS**

A. CONTRACT NO. <b>PR 2020-02-67324</b>	B. EXHIBIT/ATTACHMENT NO.	C. CLIN	D. CDRL DATA ITEM NO.
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**1. DELIVERABLE PRODUCT (and complete X as applicable.)**

<input type="checkbox"/>	a. ORIGINALS (Specify current design activity's full size reproducible drawing or digital data file(s) on which is kept the revision record recognized as official) (Identify specification, type, grade and class, etc.)
<input type="checkbox"/>	b. REPRODUCTIONS (Identify specifications, type, grade and class, etc., and quantity of each)
<input checked="" type="checkbox"/>	c. DIGITAL DATA (Identify specification, exchange media, etc. and specify original (master) or copy)

**2. OTHER TAILORING (Attach additional sheets as necessary.)**

**1. Deliverable Product:**

- c. Digital Data: Drawings and Associated Lists shall be submitted in AutoCad 14 or 2000.  
The Government will provide a sample Metadata file. This Metadata file will be in Microsoft Access 2000.

**2. Other Tailoring:**

- b. Data Item Description Paragraph 2. GENERAL: Commercial Drawings and Associated Lists shall be IAW MIL-DTL-31000B and TDP Option Selection Work Sheet incorporated into the contract or purchase order.
- c. Data Item Description Paragraph 3. FORMAT: Drawings and Associated lists shall be in the contractor's or original supplier's format.
- d. Data Item Description Paragraph 4. CONTENT: Commercial Drawings and Associated Lists shall provide sufficient information to permit Government maintenance, modification, and engineering analysis of commercial items.

## **JEDMICS REQUIREMENTS**

### **For Documents Submitted in AutoCad and TIF Format**

Documents that are submitted in AutoCad or TIF format shall be submitted as one (1) sheet per file.

The attached sample Metadata File spreadsheet is created in Microsoft Access 2000. A Metadata (indexing) file shall accompany each drawing/associated list submittal. Not all fields in the Metadata are filled in. Only the fields that are required to have inputs have been filled in. The other fields may be left blank.

The following fields in the Metadata spreadsheet are those that will or may change with the submittal of Metadata. (see attached sample spreadsheet for Autocad and TIF Metadata format)

- a. Document #
- b. Cage
- c. Doc Type
- d. Doc Size
- e. Sheet #
- f. # of Sheets
- g. Sheet Rev
- h. Frame #
- i. # of Frames
- j. File Name (the file name to which the image is saved)
- k. File Extension
- l. Rights
- m. Distribution Statement Code
- n. Acc Doc Kind
- o. Acc Doc #

The following data fields in the Metadata spreadsheet shall remain constant for Metadata submittals. (see attached sample spreadsheet for AutoCad and TIF Metadata format)

- a. Row Format
- b. Doc Rev (shall be left blank)
- c. File Type
- d. File Format
- e. File Type Source Flavor
- f. File Type Destination
- g. Site Code
- h. File Path
- i. Security Level
- j. Foreign Security
- k. Nuclear
- l. Subsafe
- m. Control Code
- n. Acc Doc Rev (shall be left blank)
- o. Weapon System Code
- p. FTP#

Metadata input must be in ALL CAPS with the following exception regarding the File Ext. field. The File Extension listed in this field must match the file extension of the image file (upper/lower case).

The attached Metadata Spreadsheet document can provide more guidance for length of data fields etc.

POC is Nila Dagsen at DSN 777-4605 COMM (801)777-4605 or you can call Jean Dalebout at DSN 777-0619 COMM (801)777-0619. Fax # is DSN 775-6079 or COMM (801)775-6079.



## Metadata Spreadsheet Instructions

**Metadata Spreadsheet:** A spreadsheet table structure that covers only the data to be delivered is required for each delivery. The Metadata Spreadsheet shall be delivered in Microsoft Access 2000 digital format.

**\*\*NOTE:** Header information from this spreadsheet is used along with the delivered digital data files to load data into Digital Data Repository.

**Content:** The metadata spreadsheet shall contain a listing of all engineering documentation contained in the shipment.

**Structure:** Each row in the spreadsheet shall represent a distinct sheet number, unless covered by the exceptions below. All fields are left justified, except Sheet Number, Frame Number of a document number, Revision Letter and Accompanying Document Revision (see definitions below). The data filed titles shall be included at the top of the spreadsheet on row 1 only of the delivered spreadsheet. PIN and PIN revision fields shall be filled for all design model and engineering data files that do not include borders and drawing blocks. For spreadsheets delivered that exceed one thousand row, the spreadsheet shall be divided into separate spreadsheet files on the delivered media. This division of spreadsheets should not cause the referenced documents listing nor the indentured levels set listing that applies to a certain document number to be divided into separate spreadsheets.

**Exception 1:** For word processing documents enter one row for each page of the native document number delivered. The filename, document number, and all other applicable columns shall be filled.

**Exception 2:** For design model and engineering data files that do not include borders and drawing blocks, the sheet number is not applicable.

The fields in the spreadsheet table structure shall be entered in sequence as follows:

<u>DATA FIELD</u>	<u>FIXED FIELD LENGTH</u>	<u>MANDATORY</u>
Row Format	10 characters	yes (see definitions)
Document number	32 characters	yes (see definitions)
CAGE	05 characters	yes (see definitions)
Document Type	02 characters	no (see definitions)
Document Size	01 characters	yes (see definitions)
Document Revision	02 characters	NO (Leave Blank)
Document Rev Date	18 characters	NO
Document Title	40 characters	NO
Sheet Number	12 characters	yes (see definitions)
Number of Sheets	04 characters	yes (see definitions)
Sheet Revision	02 characters	yes (if higher than basic)
Frame Number	04 characters	yes (see definitions)
Number of Frames	04 characters	yes (see definitions)
File Type	05 characters	yes
File Type Format	22 characters	yes
File Type Src Flavor	22 characters	yes
File Type Dest Flavor	22 characters	yes
File Type Content	22 characters	NO (leave blank)
File type Version	14 characters	NO (leave blank)
Site Code	05 characters	yes (always enter 5M640)
File Name	08 characters	yes (see definitions)
File Extension	03 characters	yes
File Path	242 characters	yes
Media Volume ID	11 characters	NO (leave blank)

<u>DATA FIELD</u>	<u>FIXED FIELD LENGTH</u>	<u>MANDATORY</u>
Major Grouping Designation	20 characters	NO (leave blank)
Minor Index Group Designation	08 characters	NO (leave blank)
Security Level	01 characters	yes (see definitions)
Rights	01 characters	yes (see definitions)
Foreign Secure	01 characters	yes (always enter N)
Nuclear	01 characters	yes (always enter N)
Subsafe	01 characters	NO (leave blank)
Cadinfo	02 characters	NO (leave blank)
Control code	02 characters	yes (always enter ME)
HSC	12 characters	NO (leave blank)
National Stock Number	13 characters	NO (leave blank)
System	32 characters	NO (leave blank)
Nomenclature	20 characters	NO (leave blank)
Ship Class	04 characters	NO (leave blank)
ShipTypeHullNum	08 characters	NO (leave blank)
Master Location	30 characters	NO (leave blank)
Offline Location	80 characters	NO (leave blank)
Parent CAGE	05 characters	NO (leave blank)
Parent Doc Number	32 characters	no (leave blank)
Part Number	32 characters	NO (leave blank)
Subsheet	03 characters	NO (leave blank)
Succeeding	20 characters	NO (leave blank)
Distribution Statement	02 characters	yes (see definitions)
Acc Doc Kind	02 characters	no (see definitions)
Acc Doc Number	32 characters	no (see definitions)
Acc Doc CAGE	05 characters	NO (leave blank)
Acc Doc Revision	02 characters	NO (Leave Blank)
Acc Doc Sheet	12 characters	NO (leave blank)
Acc Doc Frame	04 characters	NO (leave blank)
Weapons System Code	15 characters	NO (leave blank)
Record End		

Definitions:

Row Format: Always enter – IMAGE.

Document Number: An alphanumeric identifier located within the drawing number block, that is unique and is the primary reference for a document. Enter the document number (drawing, list specification, etc.) identified in this record, followed by blanks.

CAGE: Enter the CAGE Code assigned to the vendor/Manufacturer identified in this record. The CAGE Code is required for all contractor, subcontractor, vendor, and supplier data.

Document Type: A Code that identifies the class or type of engineering document (e.g., product drawings, parts lists, wire list, safety data sheet, etc). Enter the prefix code in accordance with the following codes: (For engineering drawings with no specific document type, this field shall not be populated).

<u>CODE</u>	<u>EXPLANATION</u>
AL	Application/Auxiliary List
AW	Artwork
BM	Bill of Materials
CB	Circuit Board
CC	Classification Characteristics
CL	Contractor List

<u>CODE</u>	<u>EXPLANATION</u>
CP	Company Specification
CS	Company Standard
DL	Document/Drawing List or Data List
D7	Undimensioned Drawing
EL	Equipment List
FL	Functional List
GL	Gauge List
IL	Index List
KD	Kit Drawing
LD	Logic Diagram
LM	List of Materials
MD	Master Documents List
MI	Master Index List
ML	Material List
MP	Master Pattern
NC	Numerical Control Data
NO	Nuclear Ordnance Data
PB	Program Bulletin
PD	Program Document
PL	Parts List
QA	Quality Assurance Data
QL	Quality Product List
RD	Redistribution List
RL	Running List
SD	Schematic Diagram
SL	Specification list
SS	System Schematic
TB	Test Bulletin
TD	Tool Drawing or List
TL	Tabulating List
TP	Test Procedures
TR	Test Requirement
TS	Test Specifications
UL	Usage List
WB	Wiring Board or Wire Print Board
WD	Wiring Diagram
WH	Wiring Harness
WL	Wiring List
WT	Wire Table
1L	Acquisition Data Only
2L	Maintenance Data only
3L	Acquisition and Maintenance Data
4L	Acquisition Data package list
1N	Revision Notice

Document Size: Enter the character which identifies the drawing size of the document identified in this record.

Document Revision: The revision level assigned to a document or a specific sheet of a released document. Enter revision letter(s) applicable to the document number and specifically as applicable to each sheet number. A one- character entry will be alpha, right justified, with blank padding. For initial issue documents, the entry shall be blank.

**Sheet Number:** The individual sheet number of a multiple page document or drawing. Enter the number of the sheet (right justified with leading zeros) associated with the document number identified in this record. If the total number of sheets exceeds 9999, contact the requiring office identified in block 6 of the DD Form 1423 which calls out this requirement.

**Number of Sheets:** A number that identifies the total count of sheets or pages in a document. Enter the total number of sheets contained in the document identified in this record. If the total number of sheets exceeds 9999 contact the requiring office identified in block 6 of the DD Form 1423, which calls out this requirement.

**Frame Number:** Enter the number of the frame, right justified with leading zeros. Entry will be 0001 for all files, with the following exceptions:

HPGL Files of drawings which are larger than E size drawings. For these multiple HPGL files of drawings larger than E size, enter the sequential frame number of this file in relation to the sheet of the drawing which this file represents. For instance, if sheet 1 of drawing 1234 is J size, more than one HPGL file will be created for sheet 1. For the first HPGL file, the entry would be 0001, for the second HPGL file (which still represents part of sheet 1), the entry would be 0002. Continue in this manner until the entire sheet 1 is represented.

**Number of Frames:** Enter the total number of frames required for this sheet (right justified with leading zeros). Entry will be 0001 for all files, with the exception of the scenario discussed in frame number, above. For this exception:

For number of frames, enter the total number of frames (HPGL files) required to represent that sheet of the drawing. For instance, if three frames (HGPG files) are required to represent sheet 1, the correct entry in number of frames column for all three would be 0003.

**Filename:** Specify a file naming convention that provides up to 8 character unique file names. (The file name to which an image is saved)

**File Path:** Specify the path that points to the files location. I.e. /drawings or /iecn or /00.

**Control Activity:** Enter the applicable code, as follows;

<u>ACTIVITY</u>	<u>CODE</u>
OC-ALC (Tinker AFB, OK)	MF
OO-ALC (Hill AFB UT)	ME
WR-ALC (Robins AFB GA)	MG

**Accompanying Document Kind:** When an accompanying document is delivered, enter the appropriate code from the following table. This is a required entry if a value is contained in the Accompanying Document Number column.

<u>CODE</u>	<u>DOCUMENT</u>
AD	Addendum
AM	Amendment
AN	Annex
AP	Appendix
AR	Article
AT	Attachment
EX	Exhibit
NT	Notice (Safety, Engineering, ECPs, ECOs, etc)
SP	Specification (slush sheet or other similar types of associated

SU	Specification
VR	Supplement
1N	Version
	Revision Notice.

Accompanying Document Number: When an accompanying document identified is delivered, as shown in the Accompanying Document Kind table above, enter the accompanying document number, followed by blanks. This is a required entry if a value is contained in the Accompanying Document kind Column.

Accompanying Document Revision: When an accompanying document identified is delivered, as shown in the Accompanying Document Kind table above, enter the accompanying document revision letter (alpha). Right justified with blank padding. (Leave Blank)

Security Level: Enter the code "N" for Unclassified.

Data Rights: Enter the code which identifies the rights status of the information on the document or contained in the file identified by this record. All contractor, subcontractor, vendor, and supplier data shall have the rights status entered in this data field. The rights status codes are as follows:

- a. "U" signifies that the Government has unlimited rights to use the document or file so coded.
- b. "L" signifies that the Government has only limited rights to use the document or file so coded or has obtained Government Purpose License Rights (GPLR) to the data.

Distribution Statement: Enter the distribution statement code letter (A, B, C, D, E, F, or X) of the document identified in this record. This code in the spreadsheet corresponds with the same code letter used in the distribution statement paragraph that appears on the drawing (for each sheet number). Reference DoD Directive 5230.24 for Distribution Statements.

**10 Apr 2002**

## **TECHNICAL DATA PACKAGE GUIDANCE DOCUMENT LIST**

1. The following documents are listed for guidance purposes only. This list is not to be construed as a legally binding document.

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ANSI/IPC D-275	1991	Design Standard for Rigid Printed Boards & Rigid Board Assemblies (Revision & Consolidation Of ANSI/IPC D-319 – 1987 & ANSI/IPC D-949 – 1987)
ASME Y14.1	1995	Decimal Inch Drawing Sheet Size & Format
ASME Y14.2M	1992	Line Conventions & Lettering
ASME Y14.3M	1994	Multi & Sectional View Drawings Revision Of ANSI Y14.3 –1975 R(1999)
ASME Y14.4M	1989	Pictorial Drawing R(1999)
ASME Y14.5M	1994	Dimensioning & Tolerancing R(1999)
ASME Y14.6	1978	Screw Thread Representation R(1998)
ASME Y14.6AM	1981	Screw Thread Representation Metric Supplement To ANSI Y14.6-78 R(1998)
ASME Y14.7.1	1971	Gear Drawing Standards – Part 1 for Spur, Helical, Double Helical & Rack (Partial Revision Of Y14.7-58 R(1998))
ASME Y14.7.2	1978	Gear & Spline Drawing Standards – Part 2 Bevel & Hypoid Gears R(1999)
ASME Y14.8M	30 Dec 1996	Castings & Forgings R(1993)
ASME Y14.13M	1981	Mechanical Spring Representation R(1998)
ANSI Y14.15	1966	Electrical & Electronics Diagrams R(1988)

ANSI Y14.15a	1971	Electrical & Electronics Diagrams R(1988) (Supplement to ANSI Y14.15-1966)
ANSI Y14.15b	1973	Electrical & Electronics Diagrams R(1988) (Supplement to ANSI Y14.15-1966 & ANSI Y14.15a-1971)
ASME Y14.18M	1986	Optical Parts R(1998)
ASME Y14.24	1999	Types & Applications Of Engineering Drawings
ASME Y14.34	1996	Associated Lists
ASME Y14.35	8 Dec 1997	Revision Of Engineering Drawings & Associated Documents
ASME Y14.36M	13 Aug 1996	Surface Texture Symbols Revision Of Y14.36: 1978 R(1993)
ASME Y14.38	19 Nov 1999	Abbreviations & Acronyms & Re-designation of ASME Y1.1-1989
ASME Y14.100-2000	23 Nov 2001	Engineering Drawing Practices
ASME Y32.4	1977	Graphic Symbols For Plumbing Fixtures For Diagrams Used In Architecture & Building Construction Revision Of ANSI Y32.4-54 R(1999)
ASME Y32.10	1967	Graphic Symbols For Fluid Power Diagrams R(1999)
AWS A2.4	1998	Symbols For Welding & Nondestructive Examination
AWS A3.0	1994	Standard Welding Terms & Definitions Including Terms For Brazing, Soldering, Thermal Spraying & Thermal Cutting
DoD 5220-22	8 Dec 1980	DoD Industrial Security Program
DoD 5230-24	18 Mar 1987	Distribution Statements On Technical Documents

DoD 5230-25	6 Nov 1984	Withholding Of Unclassified Technical Data From Public Disclosure
IEEE 91	1984	Standard Graphic Symbols For Logic Functions Revision Of ANSI Y32.14-73 (ANSI/IEEE) R(1994)
IEEE 91A	1991	Supplement To IEEE Standard For Graphic Symbols & Logic Functions R(1994)
IEEE 100	10 Dec 1996	Standard Dictionary Of Electrical & Electronics Terms Sixth Edition (ANSI/IEEE)
IEEE 260.1	1993	American National Standard Letter Symbols For Units Of Measurements (SI Units, Customary Inch-Pound Units, and Certain Other Units) Revision and Re-designation of IEEE Std 260-1978
IEEE 280	1985	Standard Letter Symbols For Quantities Used In Electrical Science & Electrical Engineering Revision Of ANSI Y10.5-1968 R(1997)
IEEE 315	1975	Graphic Symbols For Electrical & Electronics Diagrams (Including Reference Designation Class Designation Letters) CSA Z99-75; ANSI Y32.2-75 (ANSI/IEEE) R(1994)
IEEE 315A Supp	1986	Supplement To Graphic Symbols For Electrical & Electronics Diagrams Supplement To ANSI Y32.2-75 & IEEE 315-75 R(1994)
IEEE 991	1986	Standard For Logic Circuit Diagrams R(1994)
IEEE C37.2	10 Dec 1996	Standard Electrical Power System Device Function Numbers & Contact Designations (ANSI/IEEE)



IEEE Y32.9	1972	Graphic Symbols For Electrical Wiring & Layout Diagrams Used In Architecture & Building Construction (ANSI/IEEE) R(1989)
IPC 2221	1 Feb 1998	Generic Standard On Printed Board Design Amendment 1: January 2000
IPC 2615	1 Jul 2000	Printed Board Dimensions & Tolerances
IPC D-350D	1992	Printed Board Description In Digital Form Revision D – July 1992
IPC-T-50F	1996	Terms & Definitions For Interconnecting & Packaging Electronic Circuits
MIL-STD-100G	9 Jun 1997 (Cancelled)	Department of Defense Standard Practice for Engineering Drawings
MIL-STD-130K	15 Jan 2000	Identification Marking of U.S. Military Property
SAE AS 1290A	1986	Graphic Symbols For Aircraft Hydraulic & Pneumatic Systems R(1991)

### **REFERENCE DOCUMENTS**

MIL-HDBK-288B	14 Jan 1991	Review & Acceptance Of Engineering Drawing Practices
MIL-STD-12	25 Sep 1998 (Cancelled)	Abbreviations For Use On Drawings, Specifications, Standards & Technical Documents (Replaced by ASME Y14.38)

# CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved

OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

**A. CONTRACT LINE ITEM NO.** **B. EXHIBIT** **C. CATEGORY:**  
TDP \_\_\_\_\_ TM \_\_\_\_\_ OTHER ☒

**D. SYSTEM/ITEM** **E. CONTRACT/PR NO.** **F. CONTRACTOR**  
AEWS 2002-3 FD2020-02-67324 NASITTUQ

**1. DATA ITEM NO.** **2. TITLE OF DATA ITEM** **3. SUBTITLE**  
A003 FUNDS AND MAN-HOUR EXPENDITURE REPORT

**4. AUTHORITY (Data Acquisition Document No.)** **5. CONTRACT REFERENCE** **6. REQUIRING OFFICE**  
DI-FNCL-80331/T SOW Para 2.1.2 OO-ALC/LHE

**7. DD 250 REQ** **9. DIST STATEMENT REQUIRED** **10. FREQUENCY** **12. DATE OF FIRST SUBMISSION** **14. DISTRIBUTION**  
LT MTHLY SEE BLK 16  
**8. APP CODE** **11. AS OF DATE** **13. DATE OF SUBSEQUENT SUBMISSION**  
A D N/A SEE BLK 16  
a. ADDRESSEE b. COPIES  
Draft Final  
Reg Repro

**16. REMARKS**  
This CDRL is applicable for the life of the contract.  
BLOCK 4:  
Delete paragraphs 10.3.2 & 10.3.3. Contractor format acceptable.  
BLOCK 9:  
DISTRIBUTION STATEMENT D: Distribution authorized to DoD and US DoD contractors only for the Atmospheric Early Warning System (Aug 2002). Other request for this document shall be referred to LHE.  
DESTRUCTION NOTICE: For classified documents, follow the procedures in DoD 5220.22-M, Industrial Security Manual, Section 11-19, or DoD 5200.1-R, Information Security Program Regulation, Chapter IX. For unclassified, limited documents, destroy by any method that will prevent disclosure of contents or reconstruction of the document.  
BLOCKS 11, 12 & 13:  
Contractor shall deliver initial Funds and Man-Hour Expenditure Report NLT the 10th of the month following the first complete month. Contractor shall deliver subsequent reports NLT the 10th of each month. Government will be allowed 10 days after receipt of data item to review/approve/disapprove. Contractor shall deliver resubmittal to incorporate Government comments, if required, NTL 10 days after receipt of Government comments.  
BLOCKS 14a & b:  
Ship 1 copy ea to:  
OO-ALC/LHE (Tan Ly)  
6029 Wardleigh Rd; BLDG 1207  
Hill AFB UT 84056-5838  
tan.ly@hill.af.mil  
OO-ALC/LH (Auggie Prosper)  
6029 Wardleigh Rd, BLDG 1207  
Hill AFB UT 84056-5838  
austin.prosper@hill.af.mil  
Letter of Transmittal Only  
OO-ALC/LHCK (Jill Larsen)  
6029 Wardleigh Rd, BLDG 1207  
Hill AFB UT 84056-5838  
jill.larsen@hill.af.mil  
15. TOTAL

17. PRICE GROUP

18. ESTIMATED TOTAL PRICE

**G. PREPARED BY**

**H. DATE**

**I. APPROVED BY**

**J. DATE**

DD Form 1423-1, JUN 90 (EG)

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Page 1 of 1 Pages  
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# CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

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OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

<b>A. CONTRACT LINE ITEM NO.</b>	<b>B. EXHIBIT</b>	<b>C. CATEGORY:</b> TDP _____ TM _____ OTHER <input checked="" type="checkbox"/>
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<b>D. SYSTEM/ITEM</b> AEWS 2002-3	<b>E. CONTRACT/PR NO.</b> FD2020-02-67324	<b>F. CONTRACTOR</b> NASITTUQ
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<b>1. DATA ITEM NO.</b> A004	<b>2. TITLE OF DATA ITEM</b> SOFTWARE VERSION DESCRIPTION (SVD)	<b>3. SUBTITLE</b>
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<b>4. AUTHORITY (Data Acquisition Document No.)</b> DI-IPSC-81441A	<b>5. CONTRACT REFERENCE</b> SOW Para 2.1.2	<b>6. REQUIRING OFFICE</b> OO-ALC/LHE
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<b>7. DD 250 REQ</b> LT	<b>9. DIST STATEMENT REQUIRED</b>	<b>10. FREQUENCY</b> ASREQ	<b>12. DATE OF FIRST SUBMISSION</b> SEE BLK 16	<b>14. DISTRIBUTION</b>	
<b>8. APP CODE</b> A	<b>D</b>	<b>11. AS OF DATE</b> N/A	<b>13. DATE OF SUBSEQUENT SUBMISSION</b> SEE BLK 16	<b>a. ADDRESSEE</b>	<b>b. COPIES</b> Draft Final Reg Repro

<b>16. REMARKS</b> This CDRL is applicable for the life of the contract.  BLOCK 4: Contractor format acceptable.  BLOCK 9: DISTRIBUTION STATEMENT D: Distribution authorized to DoD and US DoD contractors only for the Atmospheric Early Warning System (Aug 2002). Other request for this document shall be referred to LHE.  DESTRUCTION NOTICE: For classified documents, follow the procedures in DoD 5220.22-M, Industrial Security Manual, Section 11-19, or DoD 5200.1-R, Information Security Program Regulation, Chapter IX. For unclassified, limited documents, destroy by any method that will prevent disclosure of contents or reconstruction of the document.  BLOCKS 11, 12 & 13: Contractor shall submit SVD as required. Government will be allowed 30 days after receipt of data item to review/approve/disapprove. Contractor shall deliver resubmittal to incorporate Government comments, if required, NTL 30 days after receipt of Government comments.  BLOCKS 14a & b: Ship 1 copy ea to: OO-ALC/LHE (Tan Ly) 6029 Wardleigh Rd; BLDG 1207 Hill AFB UT 84056-5838 tan.ly@hill.af.mil  OO-ALC/LH (Auggie Prosper) 6029 Wardleigh Rd, BLDG 1207 Hill AFB UT 84056-5838 augustin.prosper@hill.af.mil  Letter of Transmittal Only OO-ALC/LHKC (Jill Larsen) 6029 Wardleigh Rd, BLDG 1207 Hill AFB UT 84056-5838 jill.larsen@hill.af.mil	<b>15. TOTAL</b> →
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<b>17. PRICE GROUP</b>
<b>18. ESTIMATED TOTAL PRICE</b>

<b>G. PREPARED BY</b> <i>Parula G. Lopez</i>	<b>H. DATE</b> 7 Aug 02	<b>I. APPROVED BY</b> <i>Jinda McBrien</i>	<b>J. DATE</b> 8 Aug 02
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(1 Data Item)

Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0186), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/P/R No. listed in Block E.

G. PREPARED BY <i>Paula P. Loz</i>	H. DATE <i>7 Aug 02</i>	I. APPROVED BY <i>Linda McBrien</i>	J. DATE <i>8 Aug 02</i>
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DD Form 1423-1, JUN 90 (EG)

*Previous editions are obsolete.*

Page \_\_\_\_ of \_\_\_\_ Pages  
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(1 Data Item)

*Arm Approved*

OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0186), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block F.

<b>A. CONTRACT LINE ITEM NO.</b>	<b>B. EXHIBIT</b>	<b>C. CATEGORY:</b> TDP _____ TM _____ OTHER _____ <input checked="" type="checkbox"/>
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<b>D. SYSTEM/ITEM</b> AEWS 2002-3	<b>E. CONTRACT/PR NO.</b> FD2020-02-67324	<b>F. CONTRACTOR</b> NASITTUQ
--------------------------------------	--	----------------------------------

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A006	AUTOMATED COMPUTER PROGRAM IDENTIFICATION NUMBER (ACPIN) DATA AND CONTROL RECORD	CPIN

4. AUTHORITY (Data Acquisition Document No.) DI-MISC-81454A	5. CONTRACT REFERENCE SOW Para 2.1.2	6. REQUIRING OFFICE OO-ALC/LHE
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7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED  D	10. FREQUENCY ASREQ	12. DATE OF FIRST SUBMISSION SEE BLK 16	14. DISTRIBUTION			
8. APP CODE A		11. AS OF DATE N/A	13. DATE OF SUBSEQUENT SUBMISSION SEE BLK 16	a. ADDRESSEE	b. COPIES		
					Draft	Final	
						Reg	Repro

16. REMARKS	SEE BLK 16			
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**This CDRL is applicable for the life of the contract.**

## BLOCK 4:

Contractor format acceptable.

**BLOCK 9:**

**DISTRIBUTION STATEMENT D:** Distribution authorized to DoD and US DoD contractors only for the Atmospheric Early Warning System (Aug 2002). Other request for this document shall be referred to LHE.

**DESTRUCTION NOTICE:** For classified documents, follow the procedures in DoD 5220.22-M, Industrial Security Manual, Section 11-19, or DoD 5200.1-R, Information Security Program Regulation, Chapter IX. For unclassified, limited documents, destroy by any method that will prevent disclosure of contents or reconstruction of the document.

**BLOCKS 11, 12 & 13:**

Contractor shall submit ACPIN 30 days after completion of each task. Government will be allowed 30 days after receipt of data item to review/approve/disapprove. Contractor shall deliver resubmittal to incorporate Government comments, if required, NTL 30 days after receipt of Government comments.

Contractor shall deliver Final ACPIN NLT 30 days after delivery, to incorporate ACPIN's received prior to final delivery.

**BLOCKS 14a & b:**

Ship 1 copy ea to:

OO-ALC/LHE (Tan Ly)  
6029 Wardleigh Rd; BLDG 1207  
Hill AFB UT 84056-5838  
tan.ly@hill.af.mil

OO-ALC/LH (Auggie Prosper)  
6029 Wardleigh Rd, BLDG 1207  
Hill AFB UT 84056-5838  
augustin.prosper@hill.af.mil

Letter of Transmittal Only  
OO-ALC/LHKC (Jill Larsen)  
6029 Wardleigh Rd, BLDG 1207  
Hill AFB UT 84056-5838  
jill.larsen@hill.af.mil

G. PREPARED BY <i>Ronald P. Lee</i>		H. DATE <i>7 Aug 02</i>	I. APPROVED BY <i>Linda McBrue</i>	J. DATE <i>8 Aug 02</i>
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DD Form 1423-1, JUN 90 (EG)

*Previous editions are obsolete.*

Page \_\_\_\_ of 0 Pages  
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(1 Data Item)

OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO.		B. EXHIBIT		C. CATEGORY: TDP _____ TM _____ OTHER <input checked="" type="checkbox"/>	
D. SYSTEM/ITEM AEWS 2002-3		E. CONTRACT/PR NO. FD2020-02-67324		F. CONTRACTOR NASITTUQ	
1. DATA ITEM NO. A007		2. TITLE OF DATA ITEM INSTALLATION TEST PROCEDURES		3. SUBTITLE	
4. AUTHORITY (Data Acquisition Document No.) DI-QCIC-80511		5. CONTRACT REFERENCE SOW Para 2.1.2		6. REQUIRING OFFICE OO-ALC/LHE	
7. DD 250 REQ LT		9. DIST STATEMENT REQUIRED D		10. FREQUENCY 1TIME	
8. APP CODE A		11. AS OF DATE N/A		12. DATE OF FIRST SUBMISSION SEE BLK 16	
13. DATE OF SUBSEQUENT SUBMISSION SEE BLK 16		14. DISTRIBUTION a. ADDRESSEE SEE BLK 16		b. COPIES Draft Final Reg Repro	
16. REMARKS This CDRL is applicable for the life of the contract. BLOCK 4: Contractor format acceptable. BLOCK 9: DISTRIBUTION STATEMENT D: Distribution authorized to DoD and US DoD contractors only for the Atmospheric Early Warning System (Aug 2002). Other request for this document shall be referred to LHE. DESTRUCTION NOTICE: For classified documents, follow the procedures in DoD 5220.22-M, Industrial Security Manual, Section 11-19, or DoD 5200.1-R, Information Security Program Regulation, Chapter IX. For unclassified, limited documents, destroy by any method that will prevent disclosure of contents or reconstruction of the document. BLOCKS 11, 12 & 13: Contractor shall submit Installation Test Procedures NLT 90 days prior to installation. Government will be allowed 30days after receipt of data item to review/approve/disapprove. Contractor shall deliver resubmittal to incorporate Government comments, if required, NTL 13 days after receipt of Government comments. BLOCKS 14a & b: Ship 1 copy ea to: OO-ALC/LHE (Tan Ly) 6029 Wardleigh Rd, BLDG 1207 Hill AFB UT 84056-5838 tan.ly@hill.af.mil OO-ALC/LH (Auggie Prosper) 6029 Wardleigh Rd, BLDG 1207 Hill AFB UT 84056-5838 augustin.prosper@hill.af.mil Letter of Transmittal Only OO-ALC/LHKC (Jill Larsen) 6029 Wardleigh Rd, BLDG 1207 Hill AFB UT 84056-5838 jill.larsen@hill.af.mil		15. TOTAL			
G. PREPARED BY [Signature]		H. DATE 7 Aug 02		I. APPROVED BY [Signature]	
				J. DATE 8 Aug 02	

17. PRICE GROUP

18. ESTIMATED  
TOTAL PRICE

# CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved  
OMB No. 0704-0188

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**A. CONTRACT LINE ITEM NO.** **B. EXHIBIT** **C. CATEGORY:**  
TDP \_\_\_\_\_ TM \_\_\_\_\_ OTHER ☒

**D. SYSTEM/ITEM** **E. CONTRACT/PR NO.** **F. CONTRACTOR**  
AEWS 2002-3 FD2020-02-67324 NASITTUQ

**1. DATA ITEM NO.** **2. TITLE OF DATA ITEM** **3. SUBTITLE**  
A008 TECHNICAL REPORT - STUDY/SERVICES TECHNICAL REPORT & FINAL REPORT

**4. AUTHORITY (Data Acquisition Document No.)** **5. CONTRACT REFERENCE** **6. REQUIRING OFFICE**  
DI-MISC-80508 SOW Para 2.1.2 OO-ALC/LHE

**7. DD 250 REQ** **9. DIST STATEMENT REQUIRED** **10. FREQUENCY** **12. DATE OF FIRST SUBMISSION** **14. DISTRIBUTION**  
LT ASREQ SEE BLK 16  
**8. APP CODE** **11. AS OF DATE** **13. DATE OF SUBSEQUENT SUBMISSION**  
A D N/A SEE BLK 16  
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**16. REMARKS**  
This CDRL is applicable throughout the life of the contract.  
BLOCK 4:  
Contractor format acceptable.  
BLOCK 9:  
DISTRIBUTION STATEMENT D: Distribution authorized to DoD and US DoD contractors only for the Atmospheric Early Warning System (Aug 2002). Other request for this document shall be referred to LHE.  
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BLOCKS 11, 12 & 13:  
Contractor shall submit Technical Report NLT 30 days after completion of each task. Government will be allowed 30 days after receipt of data item to review/approve/disapprove. Contractor shall deliver resubmittal to incorporate Government comments, if required, NTL 30 days after receipt of Government comments.  
Contractor's shall submit Final Report NLT 30 days after final delivery. Government will be allowed 30 days after receipt of data item to review/approve/disapprove. Contractor shall deliver resubmittal to incorporate Government comments, if required, NTL 30 days after receipt of Government comments.  
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Ship 1 copy ea to:  
OO-ALC/LHE (Tan Ly)  
6029 Wardleigh Rd, BLDG 1207  
Hill AFB UT 84056-5838  
tan.ly@hill.af.mil  
OO-ALC/LH (Auggie Prosper)  
6029 Wardleigh Rd, BLDG 1207  
Hill AFB UT 84056-5838  
augustin.prosper@hill.af.mil  
Letter of Transmittal Only  
OO-ALC/LHKC (Jill Larsen)  
6029 Wardleigh Rd, BLDG 1207  
Hill AFB UT 84056-5838  
jill.larsen@hill.af.mil  
**15. TOTAL** →

17. PRICE GROUP

18. ESTIMATED TOTAL PRICE

**G. PREPARED BY** **H. DATE** **I. APPROVED BY** **J. DATE**  
Pamela D. Lopez 7 Aug 02 Linda McBrien 8 Aug 02